Professional Power Amplifiers

gemini®

Product Introduction

GPA-1000

GPA-2000

GPA-3000

GPA-4000

Professional Power Amplifiers

(All models have same back panel connections)

Gemini's **GPA Series Power Amplifiers** provide you with excellent value for a wide range of intermediate power applications. With its bi-polar output stage technology and comprehensive protection circuitry to prevent overheating, the **GPA Series** gives you the high end features you want in a product that is well within your budget.

FEATURES

- Comprehensive Protection Circuitry with Protect LED Indicator
- ¼" TRS & XLR Balanced/ Unbalanced Inputs
- 3 Modes of Operation- Stereo, Parallel Mono, and Mono Bridge
- Decibel (dB) Level Meter with Clip LEDs
- Aluminum Extrusion Heat Sink Design with Directly Mounted Output Transistors for No-Fault Operation
- Subsonic and Ultrasonic Filters for Better Protection and More Efficient Operation
- Speakon & ¼" Speaker Outputs
- 30 Hz to 50 kHz Frequency Response, <0.05% THD (0.02% Typical)
- High Output Power to Drive Professional Loudspeakers without Clipping
- Ground Lift Switch
- Air Guide with Front-to-Rear Airflow and Cooling Fan for Thermal Stability and Reliability

SPECIFICATIONS

- Protection: Short Circuit, DC, Thermal Cut-off, Sub/Ultrasonic Frequency Filters, Turn-On Delay, Main Fuse, Secondary DC Fuses
- Indicators: 1 Power LED, 1 Protect LED (except GPA-1000), VU-Meter Per Channel
- Cooling: Fan, Front-to-Rear Forced Air
- Signal to Noise Ratio: 100 dB Below Rated Power at 8 Ohms
- Input Impedance Balanced: 20 kOhm
- Balanced/ Unbalanced Inputs: XLR & ¼" Jack
- Dimensions: 19"W x 10.75"D x 3.5"H (483 x 273 x 89mm)
- Input Impedance Unbalanced: 10 kOhm
- Total Harmonic Distortion: > 0.05%, typical 0.02% at 1 kHz
- Output Power EIA: 1 kHz at 1% THD, WRMS
- Frequency Response: 30 Hz - 50 kHz • Slew Rate: 20 V/µS
- Damping Factor: Greater Than 200 at 8 Ohms
- Input Sensitivity (For Rated Power at 8 Ohms): 1 VRMS
- AC Power Requirements: 110-120V/ 60 Hz; 220-240V/ 50 Hz
- Speaker Outputs: Speakons & ¼" Jack

Amplifiers	GPA-1000	GPA-2000	GPA-3000	GPA-4000
Both Channels Driven at 8 Ohms	70W RMS / 140W PEAK	85W RMS / 170W PEAK	140W RMS / 280W PEAK	200W RMS / 400W PEAK
Both Channels Driven at 4 Ohms	90W RMS / 180W PEAK	110W RMS / 220W PEAK	200W RMS / 400W PEAK	300W RMS / 600W PEAK
Mono Bridge at 8 Ohms	180W RMS / 360W PEAK	220W RMS / 440W PEAK	400W RMS / 800W PEAK	600W RMS / 1200W PEAK
Momentary Peak Output	1000 W	2000 W	3000 W	4000 W
Dynamic Headroom at 8 Ohms	1.3 dB	1.4 dB	1.5 dB	1.6 dB
Dynamic Headroom at 4 Ohms	1.8 dB	1.9 dB	2.0 dB	2.2 dB
Voltage Gain	27 dB	28 dB	30 dB	32 dB
Power Consumption, rated at 4 Ohms, both channels driven	400 W	500 W	800 W	1200 W
Weight	13.6 lbs (6.2 kgs)	16.5 lbs (7.5 kgs)	18.3 lbs (8.3 kgs)	20.2 lbs (9.2 kgs)

*Specifications subject to change without notification for improvement

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